Leadership and Management

- EAA provides executive leadership implementing Agency SRM&Q and RM policies, plans, techniques, procedures, and standards in all Enterprise programs, projects, and activities.
- EAA ensures that safety and Mission-Success requirements are defined for all Enterprise programs and projects and that a process for recurrence control of problems is accomplished through a closed-loop corrective and preventive action system.
- AA for SMA provides SRM&Q and RM expectations and evaluations at Program Management Council activities and other major program milestone reviews.

Final Risk Acceptance

- EAA serves as the final risk acceptance/disposition official for Enterprise Programs.
- Center Directors serve as the final risk acceptance/disposition official for Center activities.
- Program/Project Managers develop the program and project RM Plans; establish/maintain a mission-risk profile; and serve as the final risk acceptance/disposition official for activities within their program/project.

✓ YOUR COMPLIANCE WITH NASA SAFETY AND MISSION-SUCCESS REQUIREMENTS.

1. Who serves as the final risk acceptance official for your program/project, and what is the process?

2. Who serves as the final risk acceptance official for your center, and what is the process?

3. Where is the review process documented to certify the safety and operational readiness of flight hardware/software, mission-critical support equipment, hazardous facilities/operations, and high-energy ground-based systems?

4. Who ensures that safety and mission-success requirements are defined for all Enterprise programs and projects?

5. Who implements the policies, plans, techniques, procedures, and standards for Mission-Success at your installation?

6. How are your programs/projects reviewed for safety activities, and by whom?

7. Who implements Agency SRM&Q policies, plans, techniques, procedures, and standards and ensures that safety and mission-success requirements are established for Center operations and activities?
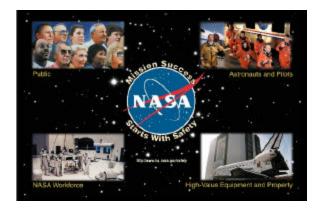
NASA
SAFETY AND MISSION ASSURANCE REQUIREMENTS

NPD 8700.1

NASA Policy for Safety and Mission Success

Sample

Compliance Verification Guide

OFFICE OF SAFETY AND MISSION ASSURANCE

Safety & Mission-Success Roles

- Establish and assure compliance with NASA SMA strategies, policies, and standards.
- Foster early integration and life-cycle implementation of Safety, Reliability, Maintainability, and Quality (SRM&Q) into NASA's programs and operations.
- Improve methodologies for risk identification and assessment, and providing recommendations for risk mitigation and acceptance.
- Perform independent SMA assessments and process verification reviews
- Provide analysis and recommendations for critical Agency safety decisions.
- Sponsor the innovation and rapid transfer of SRM&QA technologies, processes, and techniques to improve safety and reliability and reduce the cost of mission success.

Bryan D. O'Connor
Associate Administrator (AA) for SMA

KEY AUDIT REQUIREMENTS FOR NPD 8700.1

Certification Reviews

- AA for SMA shall establish review processes to certify the safety and operational readiness of flight hardware/software, mission-critical support equipment, hazardous facilities/operations, and high-energy ground-based systems.
  - Objective Quality Evidence (OQE) – Review Processes, documented reviews
- Enterprise Associate Administrators (EAAs) shall establish Enterprise policies and procedures for reviews for the certification of programs, projects, and activities.
  - OQE – Enterprise Policies and Procedures for Reviews for the Certification of Programs, Projects, and Activities

Requirements Implementation

- Center Directors shall ensure implementation of Agency SRM&Q policies, plans, techniques, procedures, and standards and ensure that safety and mission-success requirements are established for Center operations and activities.
  - OQE – SRM&Q Policies, Plans, Techniques, Procedures, Standards and Safety Requirements
- Program/Project managers shall implement Agency SMA and Risk Management (RM) policies, guidelines, and standards and establish safety and mission-success requirements within their programs and projects.
  - OQE – SMA and RM Policies, Plans, Techniques, Procedures, Standards and Safety Requirements

Requirements Verification

- Center SMA functional managers shall conduct surveillance and independent assessments to enhance the success of programs, projects, and activities; and the effectiveness of SMA activities.
  - OQE – Independent assessments, surveillance and inspection records

Annual Operating Agreements (AoA)

- Center SMA functional managers shall provide the SMA services agreed to in the AOA.
  - OQE – Center SMA Annual Operating Agreement
- AA for SMA shall establish, approve, and maintain Enterprise SMA AoA with each NASA Enterprise.
  - OQE – Enterprise SMA Agreements
- EAA shall formulate and approve the Enterprise SMA Agreement.
  - OQE – Enterprise SMA Agreements
- AA for SMA shall review and concur with each Center's SMA Annual Operating Agreement (AoA).
  - OQE – Center SMA Annual Operating Agreement
- EAA shall approve Center SMA AoA.
  - OQE – Center SMA Annual Operating Agreement
- Center Directors shall approve Center SMA AoA.
  - OQE – Center SMA Annual Operating Agreement

Training

- AA for SMA shall formulate and directs SRM&Q education to enable the NASA workforce to understand SRM&Q principles, tools, methods, and standards.
  - OQE – SRM&Q Training Records
- Managers shall educate their employees on the hazards of their job, establishing and promoting safe work practices, instilling in employees the importance of safety and Mission-Success, and implementing safety and Mission-Success regulations.
  - OQE – SMA Training Records

Reporting

- AA for SMA shall direct the reporting, investigation, and analysis of all NASA mishaps, and "close calls," including the closure of problems, non-conformances, and anomalies, and assure the collection, retention, and communication of their lessons learned as one means of recurrence control.
  - OQE – Local procedure, mishap reports, nonconformance reports, lessons learned